

Katie M. Brown Counsel

Duke Energy 40 W. Broad Street Suite 690 Greenville, SC 29601

> O: 864-370-5296 F: 864-370-5027

Katie.Brown2@duke-energy.com

October 28, 2021

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd Chief Clerk/Executive Director Public Service Commission of South Carolina 101 Executive Center Drive, Suite 100 Columbia, SC 29210

Re: Duke Energy Progress, LLC- Monthly Fuel Report

Docket Number: 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of September 2021.

Sincerely,

Katie M. Brown

Katie M Brown

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff

Ms. Nanette Edwards, Office of Regulatory Staff

Mr. Andrew Bateman, Office of Regulatory Staff

Mr. Michael Seaman-Huynh, Office of Regulatory Staff

Mr. Ryder Thompson, Office of Regulatory Staff

DUKE ENERGY PROGRESS SUMMARY OF MONTHLY FUEL REPORT

| Line No. | ltem | SEPTEMBER 2021 |
|-------------|--|-------------------|
| 1 | Fuel and Fuel-related Costs excluding DERP incremental costs | \$ 118,140,580 |
| | MWH sales: | |
| 2 | Total System Sales | 6,126,398 |
| 3 | Less intersystem sales | 478,871 |
| 4 | Total sales less intersystem sales | 5,647,527 |
| 5 | Total fuel and fuel-related costs (¢/KWH) | 2.0919 |
| | (Line 1/Line 4) | |
| 6 | Current fuel & fuel-related cost component (¢/KWH) | 2.2764 |
| | (per Schedule 4) | |
| | Generation Mix (MWH): | |
| | Fossil (By Primary Fuel Type): | |
| 7 | Coal | 535,645 |
| 8 | Oil | 4,068 |
| 9 | Natural Gas - Combustion Turbine | 85,162 |
| 10 | Natural Gas - Combined Cycle | 1,610,998 |
| 11 | Biogas | 715 |
| 12 | Total Fossil | 2,236,588 |
| 13 | Nuclear | 2,602,651 |
| 14 | Hydro - Conventional | 36,355 |
| 15 | Solar Distributed Generation | 23,191 |
| 16 | Total MWH generation | 4,898,785 |

Notes:

Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS DETAILS OF FUEL AND FUEL-RELATED COSTS

| Description | SEPTEMBER 2021 |
|--|-----------------------|
| Fuel and Fuel-Related Costs: | |
| Steam Generation - Account 501 | |
| 0501110 coal consumed - steam | \$ 14,249,659 |
| 0501310 fuel oil consumed - steam | 413,017 |
| Total Steam Generation - Account 501 | 14,662,676 |
| Nuclear Generation - Account 518 | |
| 0518100 burnup of owned fuel | 15,497,718 |
| Other Generation - Account 547 | |
| 0547000 natural gas consumed - Combustion Turbine | 2,020,697 |
| 0547000 natural gas capacity - Combustion Turbine | 498,646 |
| 0547000 natural gas consumed - Combined Cycle | 41,100,665 |
| 0547000 natural gas capacity - Combined Cycle | 11,392,134 |
| 0547106 biogas consumed - Combined Cycle | 30,652 |
| 0547200 fuel oil consumed | 352,751 |
| Total Other Generation - Account 547 | 55,395,545 |
| Purchased Power and Net Interchange - Account 555 | |
| Fuel and fuel-related component of purchased power | 39,419,770 |
| Fuel and fuel-related component of DERP purchases | 74,512 |
| PURPA purchased power capacity | 11,311,110 |
| DERP purchased power capacity | 15,262 |
| Total Purchased Power and Net Interchange - Account 555 | 50,820,654 |
| Less: | 40.470.000 |
| Fuel and fuel-related costs recovered through intersystem sales | 19,179,992 |
| Solar Integration Charge Miscellaneous Fees Collected | 36 |
| Total Fuel Credits - Accounts 447/456 | 19,180,028 |
| Total Tuel Oledits - Accounts 447/430 | 13,100,020 |
| Total Costs Included in Base Fuel Component | \$ 117,196,565 |
| Environmental Costs | |
| 0509030, 0509212, 0557451 emission allowance expense | \$ 2,782 |
| 0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense | 1,033,560 |
| Emission Allowance Gains | - |
| Less reagents expense recovered through intersystem sales - Account 447 | 67,679 |
| Less emissions expense recovered through intersystem sales - Account 447 | 24,648 |
| Total Costs Included in Environmental Component | 944,015 |
| Fuel and Fuel-related Costs excluding DERP incremental costs | \$ 118,140,580 |
| DERP Incremental Costs | 332,842 |
| Total Fuel and Fuel-related Costs | \$ 118,473,422 |

Notes:

Detail amounts may not add to totals shown due to rounding. DERP details are presented on Page 2.

332,842

\$

DUKE ENERGY PROGRESS DETAILS OF FUEL AND FUEL-RELATED COSTS

| Description | SEPTE | MBER 2021 |
|--|-------|-----------|
| DERP Avoided Costs (Total Capacity and Energy) | | |
| Purchased Power Agreements | \$ | 7,653 |
| Shared Solar Program | | 802 |
| Total DERP Avoided Costs | \$ | 8,456 |
| | | |
| DERP Incremental Costs | | 44.400 |
| Purchased Power Agreements | | 11,482 |
| DERP NEM Incentive | | 190,440 |
| Solar Rebate Program - Amortization | | 51,614 |
| Solar Rebate Program - Carrying Costs | | 39,000 |
| Shared Solar Program | | 10,263 |
| NEM Avoided Capacity Costs | | 545 |
| NEM Meter Costs | | 12,037 |
| General and Administrative Expenses | | 17,410 |
| Interest on under-collection due to cap | | 50 |

Notes:

Detail amounts may not add to totals shown due to rounding. All amounts represent SC retail.

Total DERP Incremental Costs

DUKE ENERGY PROGRESS PURCHASED POWER AND INTERCHANGE SOUTH CAROLINA

Schedule 3, Purchases Page 1 of 2

SEPTEMBER 2021

| Purchased Power | Total | Capacity | | | Non-capacit | у | |
|---|-----------------|--------------|---------|----|-------------|----|-------------|
| Marketers, Utilities, Other | \$ | \$ | mWh | | Fuel \$ | | Non-fuel \$ |
| Broad River Energy, LLC | \$ 4,612,826 | \$ 3,303,833 | 23,674 | \$ | 1,308,993 | | - |
| City of Fayetteville | 1,089,009 | 1,015,250 | - | | 73,759 | | - |
| DE Carolinas - Native Load Transfer | 1,953,881 | - | 42,912 | | 1,953,881 | | - |
| DE Carolinas - Native Load Transfer Benefit | 214,986 | - | - | | 214,986 | | - |
| DE Carolinas - Fees | 216 | - | - | | 216 | | - |
| Haywood EMC | 28,000 | 28,000 | - | | - | | - |
| NCEMC | 2,916,468 | 2,117,388 | 11,846 | | 799,080 | | - |
| PJM Interconnection, LLC | (522) | - | - | | (522) | | - |
| Southern Company Services | 11,327,737 | 1,965,877 | 190,991 | | 9,361,860 | | - |
| Energy Imbalance | 23,221 | - | 514 | | 22,445 | \$ | 776 |
| Generation Imbalance | 178 | - | 24 | | 125 | | 53 |
| | \$ 22,166,000 | \$ 8,430,348 | 269,961 | \$ | 13,734,823 | \$ | 829 |
| Act 236 PURPA Purchases | | | | | | | |
| DERP Qualifying Facilities | - \$ 104,112 | - | 2,510 | \$ | 104,112 | | _ |
| Other Qualifying Facilities | 22,008,738 | - | 314,119 | • | 22,008,738 | | _ |
| Renewable Energy | 14,943,084 | - | 206,054 | | 14,943,084 | | _ |
| Competitive Procurement Renewable Energy | 44,235 | - | 1,485 | | 44,235 | | _ |
| . 07 | \$ 37,100,169 | | 524,168 | \$ | 37,100,169 | | - |
| Total Purchased Power | \$ 59,266,169 | \$ 8,430,348 | 794,129 | \$ | 50,834,992 | \$ | 829 |

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS INTERSYSTEM SALES* SOUTH CAROLINA Schedule 3, Sales Page 2 of 2

SEPTEMBER 2021

| | | Total C | | apacity | | Non-capacity | n-capacity | | | |
|---|----|------------|----|---------|---------|--------------|------------|----|----------------------|--|
| Sales | \$ | | \$ | | mWh | | Fuel \$ | | Non-fuel \$ | |
| Utilities: | | | | | | | | | | |
| DE Carolinas - As Available Capacity | \$ | 12,215 | \$ | 12,215 | - | | - | | - | |
| Market Based: | | | | | | | | | | |
| NCEMC Purchase Power Agreement | | 1,226,820 | | 652,500 | 9,646 | \$ | 469,795 | \$ | 104,525 | |
| PJM Interconnection, LLC | | (534) | | - | - | | - | | (534) | |
| Other: | | | | | | | | | | |
| DE Carolinas - Native Load Transfer | | 17,692,154 | | - | 469,205 | | 17,060,738 | | 631,416 | |
| DE Carolinas - Native Load Transfer Benefit | | 1,741,786 | | - | - | | 1,741,786 | | - | |
| Generation Imbalance | | (10) | | - | 20 | | - | | (10) | |
| Total Intersystem Sales | \$ | 20,672,431 | \$ | 664,715 | 478,871 | \$ | 19,272,319 | \$ | 735,397 [°] | |

^{*} Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress (Over) / Under Recovery of Fuel Costs SEPTEMBER 2021

Schedule 4 Page 1 of 3

| | | Г | | Г | T | | |
|-------------|--|-----------------------|---------------------|--------------------------------|----------------------|--------------------|----------------------|
| | | | | | | | |
| Line No. | | | Total Residential | General Service Non- Demand | Demand | Lighting | Total |
| 1 | Actual System kWh sales | Input | | | | | 5,647,527,373 |
| 2 | DERP Net Metered kWh generation | Input | | | | | 2,949,843 |
| 3 | Adjusted System kWh sales | L1 + L2 | | | | | 5,650,477,216 |
| 4 | Actual S.C. Retail kWh sales | Input | 193,502,319 | 28,260,804 | 304,023,599 | 6,149,036 | 531,935,758 |
| 5 | DERP Net Metered kWh generation | Input | 1,836,244 | 46,756 | 1,066,843 | | 2,949,843 |
| 6 | Adjusted S.C. Retail kWh sales | L4 + L5 | 195,338,563 | 28,307,560 | 305,090,442 | 6,149,036 | 534,885,601 |
| 7 | Actual S.C. Demand units (kw) | L32 / 31b *100 | | | 656,100 | | |
| Base fuel o | component of recovery - non-capacity | | | | | | |
| 8 | Incurred System base fuel - non-capacity expense | Input | | | | | \$93,904,902 |
| 9 | Eliminate avoided fuel benefit of S.C. net metering | Input | | | | _ | \$66,494 |
| 10 | Adjusted Incurred System base fuel - non-capacity expense | L8 + L9 | | | | | \$93,971,396 |
| 11 | Adjusted Incurred System base fuel - non-capacity rate (¢/kWh) | L10 / L3 * 100 | | | | | 1.663 |
| 12 | S.C. Retail portion of adjusted incurred system expense | L6 * L11 / 100 | \$3,248,617 | \$470,775 | \$5,073,868 | \$102,263 | \$8,895,523 |
| 13 | Assign 100 % of Avoided Fuel Benefit of S.C net metering | Input | (\$30,404) | (\$4,206) | (\$31,885) | \$0 | (\$66,494) |
| 14 | S.C. Retail portion of incurred system expense | L12 + L13 | \$3,218,213 | \$466,569 | \$5,041,983 | \$102,263 | \$8,829,029 |
| 15 | Billed base fuel - non-capacity rate (¢/kWh) - Note 1 | Input | 1.873 | 1.874 | 1.874 | 1.874 | 1.874 |
| 16 | Billed base fuel - non-capacity revenue | L4 * L15 /100 | \$3,625,186 | \$529,607 | \$5,697,402 | \$115,233 | \$9,967,428 |
| 17 | DERP NEM incentive - fuel component | Input | (\$710) | (\$98) | (\$745) | \$0 | (\$1,553) |
| 18 | Adjusted S.C. billed base fuel - non-capacity revenue | L16 + L17 | \$3,624,476 | \$529,509 | \$5,696,657 | \$115,233 | \$9,965,875 |
| 19 | S.C. base fuel - non-capacity (over)/under recovery [See footnote] | L14 - L18 | (\$406,263) | (\$62,940) | (\$654,674) | (\$12,970) | (\$1,136,847) |
| 20 | Adjustment | Input | | | | | |
| 21 | Total S.C. base fuel - non-capacity (over)/under recovery [See footnote] | L19 + L20 | (\$406,263) | (\$62,940) | (\$654,674) | (\$12,970) | (\$1,136,847) |
| | component of recovery - capacity | | | | | | |
| 22a | Incurred base fuel - capacity rates by class (¢/kWh) | L23 / L4 * 100 | 0.516 | 0.489 | 400 | | |
| 22b | Incurred base fuel - capacity rate (¢/kW) | L23 / L7 * 100 | **** | 0400.047 | 160 | | AO 405 000 |
| 23 | Incurred S.C. base fuel - capacity expense | Input | \$999,240 | \$138,217 | \$1,047,909 | | \$2,185,366 |
| 24a | Billed base fuel - capacity rates by class (¢/kWh) - Note 2 | Input | 0.462 | 0.580 | 457 | | |
| 24b | Billed base fuel - capacity rate (¢/kW) | Input | #002 220 | ¢462.042 | 157 | ¢ 0 | 60 007 05 2 |
| 25 | Billed S.C. base fuel - capacity revenue | L24a * L4 /100 | \$893,328 | \$163,913 | \$1,030,612 | \$0 \$0 | \$2,087,853 |
| 26 27 | S.C. base fuel - capacity (over)/under recovery [See footnote] | L23 - L25 | \$105,912 | (\$25,696) | \$17,297 | \$0 | \$97,513 |
| 27 28 | Adjustment Total S.C. base fuel - capacity (over)/under recovery [See footnote] | Input L26 + L27 | \$105,912 | (\$25,696) | \$17,297 | \$0 | \$97,513 |
| | ental component of recovery | | | | | | |
| 29a | Incurred environmental rates by class (¢/kWh) | L30 / L4 * 100 | 0.021 | 0.020 | • | | |
| 29b | Incurred environmental rate (¢/kW) | L30 / L7 * 100 | \$40.050 | 05.004 | 6 | | \$00.040 |
| 30 | Incurred S.C. environmental expense | Input | \$40,656 | \$5,624 | \$42,636 | | \$88,916 |
| 31a | Billed environmental rates by class (¢/kWh) - Note 3 | Input | 0.005 | 0.015 | | | |
| 31b | Billed environmental rate (¢/kW) | Input | 00.000 | 04.000 | 4 | | # 40.000 |
| 32 | Billed S.C. environmental revenue | L31a * L4 /100 | \$9,606 | \$4,239 | \$26,244 | 40 | \$40,089 |
| 33 | S.C. environmental (over)/under recovery [See footnote] | L30 - L32 | \$31,050 | \$1,385 | \$16,392 | \$0 | \$48,827 |
| 34 35 | Adjustment Total S.C. environmental (over)/under recovery [See footnote] | Input L33 + L34 | \$31,050 | \$1,385 | \$16,392 | \$0 | \$48,827 |
| Distributed | 5 | | | | | | |
| | Energy Resource Program component of recovery: avoided costs | 1 27 / 1 4 * 400 | 0.000 | 0.000 | | | |
| 36a | Incurred S.C. DERP avoided cost rates by class (¢/kWh) | L37 / L4 * 100 | 0.002 | 0.002 | 4 | | |
| 36b | Incurred S.C. DERP avoided cost rates by class (¢/kW) | L37 / L7 * 100 | #0.000 | A -CO-C | 1 | | 60.450 |
| 37 | Incurred S.C. DERP avoided cost expense | Input | \$3,866 | \$535 | \$4,055 | | \$8,456 |
| 38a | Billed S.C. DERP avoided cost rates by class (¢/kWh) - Note 4 | Input | 0.003 | 0.004 | | | |
| 38b | Billed S.C. DERP avoided cost rates by class (¢/kW) | Input | фс 70 4 | M4 400 | 1 *** 550 | | 640.450 |
| 39 40 | Billed S.C. DERP avoided cost revenue | L38a * L4 /100 | \$5,764 | \$1,130 | \$6,559 (\$2,504) | ሱ ር | \$13,453 |
| 40 | S.C. DERP avoided cost (over)/under recovery [See footnote] | L37 - L39 | (\$1,898) | (\$595) | (\$2,504) | \$0 | (\$4,997) |
| 41 | Adjustment Total S.C. DERP avoided cost (over)/under recovery [See footnote] | Input L40 + L41 | (\$1,898) | (\$595) | (\$2,504) | \$0 | (\$4,997) |
| 42 | Total (over)/under receivery [See feetnets] | 121 + 128 + 125 + 142 | (\$271.100) | (\$97.9 <i>46</i>) | (\$622.490\ | (\$42.070) | (\$005 50 <i>4</i>) |

L21 + L28 + L35 + L42

(\$271,199)

(\$87,846)

(\$12,970)

(\$995,504)

(\$623,489)

Total (over)/under recovery [See footnote]

Duke Energy Progress (Over) / Under Recovery of Fuel Costs SEPTEMBER 2021

Schedule 4 Page 2 of 3

| | | | | T | | |
|---|---|--|--|---|--|---|
| | | | | | | |
| Cumulative (ever) / under receivery PASE FILET NON CAPACITY | Cumulative | Total Posidential | General Service Non- Demand | Domand | Lighting | Total |
| Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY Balance ending February 2021 | \$10,892,003 | Total Residential 5,429,351 | 468,956 | Demand 4,889,765 | Lighting 103,931 | Total 10,892,003 |
| March 2021 - actual | 10,684,199 | (89,214) | (9,718) | | (2,580) | (207,804) |
| April 2021 - actual | 10,033,278 | (193,518) | (28,845) | (420,114) | (8,444) | (650,921) |
| May 2021 - actual | 12,543,282 | 711,542 | 104,099 | 1,658,133 | 36,230 | 2,510,004 |
| June 2021 - actual | 14,049,424 | 474,479 | 66,073 | 946,736 | 18,854 | 1,506,142 |
| July 2021 - actual | 15,898,751 | 648,783 | 86,388 | 1,093,436 | 20,720 | 1,849,327 |
| August 2021 - actual | 19,073,760 | 1,036,684 | 138,270 | 1,968,622 | 31,433 | 3,175,009 |
| September 2021 - actual | 17,936,913 | (406,263) | (62,940) | (654,674) | (12,970) | (1,136,847) |
| October 2021 - forecast | 15,901,603 | (618,034) | (93,693) | , , | (30,821) | (2,035,310) |
| November 2021 - forecast | 15,562,900 | (104,266) | (15,493) | , | (5,143) | (338,703) |
| December 2021 - forecast | 16,381,275 | 304,553 | 33,984 | 468,581 | 11,257 | 818,375 |
| January 2022 - forecast | 17,218,534 | 337,595 | 33,040 | 455,700 | 10,924 | 837,259 |
| February 2022 - forecast | 17,341,755 | 50,298 | 4,818 | 66,514 | 1,591 | 123,221 |
| March 2022 - forecast | 17,467,361 | 46,754 | 5,212 | 71,918 | 1,722 | 125,606 |
| April 2022 - forecast | 16,566,578 | (313,384) | (38,837) | (535,715) | (12,847) | (900,783) |
| May 2022 - forecast | 16,249,309 | (95,605) | (14,663) | (202,160) | (4,841) | (317,269) |
| June 2022 - forecast | \$16,638,969 | 135,945 | 16,769 | 231,440 | 5,506 | 389,660 |
| | | 7,355,700 | 693,420 | 8,425,327 | 164,522 | 16,638,969 |
| | | | | | | |
| | | | General Service Non- | | | |
| Cumulative (over) / under recovery - BASE FUEL CAPACITY | Cumulative | Total Residential | Demand | Demand | Lighting | Total |
| Balance ending February 2021 | \$5,044,753 | 1,223,539 | 181,264 | 3,639,950 | - | 5,044,753 |
| March 2021 - actual | 5,042,812 | (143,103) | 39,099 | 102,063 | - | (1,941) |
| April 2021 - actual | 5,585,129 | 186,048 | 61,096 | 295,173 | - | 542,317 |
| May 2021 - actual | 6,269,253 | 303,937 | 64,155 | 316,032 | - | 684,124 |
| June 2021 - actual | 6,506,915 | 14,070 | 33,286 | 190,306 | - | 237,662 |
| July 2021 - actual | 7,210,840 | 244,280 | 42,063 | 417,582 | - | 703,925 |
| August 2021 - actual | 7,366,024 | 128,139 | (14,819) | 41,864 | - | 155,184 |
| September 2021 - actual | 7,463,537 | 105,912 | (25,696) | 17,297 | - | 97,513 |
| October 2021 - forecast | 7,257,072 | 126,293 | (22,198) | (310,560) | - | (206,465) |
| November 2021 - forecast | 7,280,048 | 119,422 | (17,838) | (78,608) | - | 22,976 |
| December 2021 - forecast | 6,479,770 | (222,244) | (33,166) | (544,868) | - | (800,278) |
| January 2022 - forecast | 5,593,750 | (389,199) | (37,644) | (459,177) | - | (886,020) |
| February 2022 - forecast | 4,839,366 | (379,348) | (32,873) | (342,163) | - | (754,384) |
| March 2022 - forecast | 4,611,622 | (72,314) | (12,294) | (143,136) | - | (227,744) |
| April 2022 - forecast | 4,543,832 | 52,409 | (7,949) | (112,250) | - | (67,790) |
| May 2022 - forecast | 4,503,307 | 178,459 | (13,208) | (205,776) | - | (40,525) |
| June 2022 - forecast | \$4,086,821 | (78,884) | (26,552) | (311,050) | - | (416,486) |
| | | 1,397,416 | 176,726 | 2,512,679 | - | 4,086,821 |
| | | | | | | |
| | | | | | | |
| Cumulative (ever) / under receivery ENVIDONMENTAL | Cumulativo | Total Posidential | General Service Non- | Domand | Lighting | Total |
| Cumulative (over) / under recovery - ENVIRONMENTAL | Cumulative | Total Residential | Demand | Demand (34, 958) | Lighting | Total (348,874) |
| Balance ending February 2021 | (\$348,874) | (289,820) | Demand (24,096) | (34,958) | 0 | (348,874) |
| Balance ending February 2021 March 2021 - actual | (\$348,874) (370,923) | (289,820) (10,494) | Demand (24,096) 1,297 | (34,958) (12,852) | 0 | (348,874) (22,049) |
| Balance ending February 2021 March 2021 - actual April 2021 - actual | (\$348,874) (370,923) (417,815) | (289,820) (10,494) (19,133) | Demand (24,096) 1,297 (856) | (34,958) (12,852) (26,903) | 0 0 0 | (348,874) (22,049) (46,892) |
| Balance ending February 2021 March 2021 - actual April 2021 - actual May 2021 - actual | (\$348,874) (370,923) (417,815) (364,529) | (289,820) (10,494) (19,133) 28,726 | Demand (24,096) 1,297 (856) 5,234 | (34,958) (12,852) (26,903) 19,326 | 0 | (348,874) (22,049) (46,892) 53,286 |
| Balance ending February 2021 March 2021 - actual April 2021 - actual May 2021 - actual June 2021 - actual | (\$348,874) (370,923) (417,815) (364,529) (216,533) | (289,820) (10,494) (19,133) 28,726 68,730 | Demand (24,096) 1,297 (856) 5,234 11,233 | (34,958) (12,852) (26,903) 19,326 68,033 | 0 0 0 | (348,874) (22,049) (46,892) 53,286 147,996 |
| Balance ending February 2021 March 2021 - actual April 2021 - actual May 2021 - actual June 2021 - actual July 2021 - actual | (\$348,874) (370,923) (417,815) (364,529) (216,533) (15,048) | (289,820) (10,494) (19,133) 28,726 68,730 94,903 | Demand (24,096) 1,297 (856) 5,234 11,233 13,098 | (34,958) (12,852) (26,903) 19,326 68,033 93,484 | 0 0 0 0 | (348,874) (22,049) (46,892) 53,286 147,996 201,485 |
| Balance ending February 2021 March 2021 - actual April 2021 - actual May 2021 - actual June 2021 - actual July 2021 - actual August 2021 - actual | (\$348,874) (370,923) (417,815) (364,529) (216,533) (15,048) 186,473 | (289,820) (10,494) (19,133) 28,726 68,730 94,903 101,086 | Demand (24,096) 1,297 (856) 5,234 11,233 13,098 11,206 | (34,958) (12,852) (26,903) 19,326 68,033 93,484 89,229 | 0 0 0 0 0 | (348,874) (22,049) (46,892) 53,286 147,996 201,485 201,521 |
| Balance ending February 2021 March 2021 - actual April 2021 - actual May 2021 - actual June 2021 - actual July 2021 - actual August 2021 - actual September 2021 - actual | (\$348,874) (370,923) (417,815) (364,529) (216,533) (15,048) 186,473 235,300 | (289,820) (10,494) (19,133) 28,726 68,730 94,903 101,086 31,050 | Demand (24,096) 1,297 (856) 5,234 11,233 13,098 11,206 1,385 | (34,958) (12,852) (26,903) 19,326 68,033 93,484 89,229 16,392 | 0 0 0 0 0 | (348,874) (22,049) (46,892) 53,286 147,996 201,485 201,521 48,827 |
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(6,288)

(49,898)

806

(55,380)

Duke Energy Progress (Over) / Under Recovery of Fuel Costs SEPTEMBER 2021

Schedule 4 Page 3 of 3

| Line No. | | | Residential | Commercial | Industrial | Total |
|------------|--|-----------|-------------|------------|------------|-----------|
| Distribute | d Energy Resource Program component of recovery: incremental costs | | | | | |
| 44 | Incurred S.C. DERP incremental expense | Input | \$152,189 | \$109,836 | \$70,817 | \$332,842 |
| 45 | Billed S.C. DERP incremental rates by account (\$/account) | Input | 0.99 | 3.51 | 99.47 | |
| 46 | Billed S.C. DERP incremental revenue | Input | \$139,708 | \$115,247 | \$26,940 | \$281,895 |
| 47 | S.C. DERP incremental (over)/under recovery [See footnote] | L44 - L46 | 12,481 | (\$5,411) | \$43,877 | \$50,947 |
| 48 | Adjustment | Input | | | | |
| 49 | Total S.C. DERP incremental (over)/under recovery [See footnote] | L47 + L48 | \$12,481 | (\$5,411) | \$43,877 | \$50,947 |

| Cumulative (over) / under recovery | Cumulative | Total Residential | Commercial | Industrial | Total |
|------------------------------------|-------------|-------------------|------------|------------|-----------|
| Balance ending February 2021 | \$173,595 | 91,878 | 9,063 | 72,654 | 173,595 |
| March 2021 - actual | 164,763 | (14,575) | (29,089) | 34,832 | (8,832) |
| April 2021 - actual | 179,864 | (2,281) | (20,080) | 37,462 | 15,101 |
| May 2021 - actual | 197,477 | (1,273) | (19,497) | 38,383 | 17,613 |
| June 2021 - actual | 227,799 | 4,764 | (15,382) | 40,940 | 30,322 |
| July 2021 - actual | 285,295 | 16,483 | (4,987) | 46,000 | 57,496 |
| August 2021 - actual | 330,282 | 9,862 | (7,391) | 42,516 | 44,987 |
| September 2021 - actual | 381,229 | 12,481 | (5,411) | 43,877 | 50,947 |
| October 2021 - forecast | 468,529 | 39,918 | 28,808 | 18,574 | 87,300 |
| November 2021 - forecast | 557,201 | 40,545 | 29,261 | 18,866 | 88,672 |
| December 2021 - forecast | 643,499 | 39,459 | 28,478 | 18,361 | 86,298 |
| January 2022 - forecast | 729,018 | 39,103 | 28,221 | 18,195 | 85,519 |
| February 2022 - forecast | 814,552 | 39,109 | 28,226 | 18,199 | 85,534 |
| March 2022 - forecast | 892,279 | 35,540 | 25,649 | 16,538 | 77,727 |
| April 2022 - forecast | 984,307 | 42,079 | 30,369 | 19,580 | 92,028 |
| May 2022 - forecast | 1,077,150 | 42,451 | 30,638 | 19,754 | 92,843 |
| June 2022 - forecast | \$1,167,493 | 41,308 | 29,813 | 19,222 | 90,343 |
| | | 476,851 | 166,689 | 523,953 | 1,167,493 |

Notes:

Detail amounts may not recalculate due to percentages presented as rounded.

Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.

Under collections, or regulatory assets, are shown as positive amounts.

- _/1 Total residential billed fuel non-capacity rate is a composite rate reflecting the 7/1/21 approved residential rate of 1.887 and RECD 5% discount.
- _/2 Total residential billed fuel capacity rate is a composite rate reflecting the 7/1/21 approved residential rate of .465 and RECD 5% discount.
- _/3 Total residential billed environmental rate is a composite rate reflecting the 7/1/21 approved residential rate of .005 and RECD 5% discount.
- _/4 Total residential billed DERP avoided capacity rate is a composite rate reflecting the 7/1/21 approved residential rate of .003 and RECD 5% discount.

Duke Energy Progress Fuel and Fuel Related Cost Report SEPTEMBER 2021

Schedule 5 Page 1 of 2

| | Mayo | Roxboro | Asheville | Smith Energy Complex | Sutton | Lee | Blewett |
|---|--------------|--------------------------|---------------|---------------------------------------|----------------------|------------------|----------|
| Description | Steam | Steam | CC/CT | CC/CT | CC/CT | CC | CT |
| Cost of Fuel Purchased (\$) | Ottam | Otoum | 00/01 | 00/01 | 00/01 | 00 | 01 |
| Coal | \$2,993,112 | \$18,202,854 | _ | _ | _ | _ | _ |
| Oil | 101,582 | 352,387 | - | _ | _ | _ | _ |
| Gas - CC | - | - | \$10,226,749 | \$13,855,256 | \$12,807,756 | \$15,603,038 | _ |
| Gas - CT | _ | | 435,245 | 1,350,606 | 193,048 | ψ10,000,000 | _ |
| | - | - | | | | - | - |
| Biogas | - | | - | 140,881 | - #40,000,004 | - #45,000,000 | - |
| Total | \$3,094,694 | \$18,555,241 | \$10,661,994 | \$15,346,743 | \$13,000,804 | \$15,603,038 | - |
| | | | | | | | |
| Average Cost of Fuel Purchased (¢/MBTU) | | | | | | | |
| Coal | 329.26 | 325.43 | - | - | - | - | - |
| Oil | 1,651.74 | 1,636.12 | - | - | - | - | - |
| Gas - CC | - | - | 460.99 | 385.06 | 462.13 | 407.51 | - |
| Gas - CT | - | - | 428.56 | 369.22 | 1,281.94 | - | - |
| Biogas | - | - | - | 2,639.70 | - | - | - |
| Weighted Average | 338.15 | 330.46 | 459.57 | 386.63 | 466.56 | 407.51 | - |
| | | | | | | | |
| Cost of Fuel Burned (\$) | | | | | | | |
| Coal | \$188,509 | \$14,061,150 | - | - | - | - | - |
| Oil - CC | - | - | - | - | - | - | - |
| Oil - Steam/CT | 20,036 | 392,981 | - | - | \$17,032 | _ | _ |
| Gas - CC | - | - | \$10,226,749 | \$13,855,256 | 12,807,756 | \$15,603,038 | - |
| Gas - CT | _ | - | 435,245 | 1,350,606 | 193,048 | - | _ |
| Biogas | _ | - - | - | 140,881 | - | - | - |
| Nuclear | _ | _ | - - | - | _ | - - | _ |
| Total | \$208,545 | <u>-</u> \$14,454,131 | \$10,661,994 | \$15,346,743 | \$13,017,836 | \$15,603,038 | <u> </u> |
| ı Ulai | φ∠∪0,545 | φ 14,404, 15 Ί | φ τυ,υο τ,994 | φ 13,340,743 | φιο,υι <i>ι</i> ,δ30 | φ 10,000,038 | - |
| Assessed Controller 18 | | | | | | | |
| Average Cost of Fuel Burned (¢/MBTU) | | | | | | | |
| Coal | 256.40 | 234.25 | - | - | - | - | - |
| Oil - CC | - | - | - | - | - | - | - |
| Oil - Steam/CT | 1,490.77 | 1,519.35 | - | - | 2,003.76 | - | - |
| Gas - CC | - | - | 460.99 | 385.06 | 462.13 | 407.51 | - |
| Gas - CT | - | - | 428.56 | 369.22 | 1,281.94 | - | - |
| Biogas | - | - | - | 2,639.70 | - | - | - |
| Nuclear | - | - | - | - | - | - | - |
| Weighted Average | 278.56 | 239.77 | 459.57 | 386.63 | 467.03 | 407.51 | - |
| o o | | | | | | | |
| Average Cost of Generation (¢/kWh) | | | | | | | |
| Coal | 153.56 | 2.63 | _ | _ | - | _ | _ |
| Oil - CC | - | - | _ | _ | _ | _ | _ |
| Oil - Steam/CT | 892.87 | 16.76 | _ | _ | 21.13 | _ | _ |
| Gas - CC | 032.01 | | 3.21 | 3.16 | 3.56 | 3.15 | _ |
| Gas - CC Gas - CT | - | - | | | | 3.13 | - |
| | - | - | 5.47 | 2.13 | 13.52 | - | - |
| Biogas | - | - | - | 19.70 | - | - | - |
| Nuclear | - | - | - | - | - | | - |
| Weighted Average | 166.84 | 2.69 | 3.27 | 3.06 | 3.60 | 3.15 | - |
| | | | | | | | |
| Burned MBTU's | | | | | | | |
| Coal | 73,521 | 6,002,564 | - | - | - | - | - |
| Oil - CC | - | - | - | - | - | - | - |
| Oil - Steam/CT | 1,344 | 25,865 | - | - | 850 | - | - |
| Gas - CC | - | - | 2,218,435 | 3,598,207 | 2,771,465 | 3,828,826 | - |
| Gas - CT | - | - | 101,561 | 365,796 | 15,059 | - | - |
| Biogas | - | - | - | 5,337 | - | - | - |
| Nuclear | - | - | - | - | - | - | - |
| Total | 74,865 | 6,028,429 | 2,319,996 | 3,969,340 | 2,787,374 | 3,828,826 | - |
| | ,000 | -,, | , 2,000 | -,2,-10 | , ,• . | -,, | |
| Net Generation (mWh) | | | | | | | |
| Coal | 123 | 535,523 | | | | | |
| Oil - CC | 123 | | - | - | - | - | - |
| | - | - | - | - | - 01 | - | - (24) |
| Oil - Steam/CT | 2 | 2,344 | - | 407.000 | 81 | - | (24) |
| Gas - CC | - | - | 318,230 | 437,996 | 359,600 | 495,172 | - |
| Gas - CT | - | - | 7,964 | 63,424 | 1,427 | - | - |
| Biogas | - | - | - | 715 | - | - | - |
| Nuclear | - | - | - | - | - | - | - |
| Hydro (Total System) | | | | | | | |
| Solar (Total System) | | | | | | | |
| Total | 125 | 537,867 | 326,194 | 502,135 | 361,108 | 495,172 | (24) |
| | | | | | | | , , |
| Cost of Reagents Consumed (\$) | | | | | | | |
| Ammonia | - | \$267,673 | - | \$22,124 | - | - | - |
| Limestone | \$12,258 | 595,699 | - | - | - | - | - |
| Re-emission Chemical | - | - | - | - | - | - | _ |
| Sorbents | 5,532 | 131,247 | - | - | _ | <u>-</u> | <u>-</u> |
| Urea | - | - | - | - | _ | - | - |
| Total | \$17,790 | \$994,619 | - | \$22,124 | <u>-</u> | - | <u> </u> |
| · otal | ψ17,730 | ψυυ -1 ,υ 19 | - | Ψ ∠ ∠, Ι ∠ 1 | - | - | - |

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

| Description | Darlington CT | Wayne County CT | Weatherspoon CT | Brunswick Nuclear | Harris Nuclear | Robinson Nuclear | Current Month | Total 12 ME SEPTEMBER 2021 |
|---|---------------------------------------|--|-------------------------------|--|--|----------------------------------|---|--|
| Cost of Fuel Purchased (\$) | | | | | | | | |
| Coal | - | - | - | - | - | - | \$21,195,966 | \$234,258,05 |
| Oil | - | - | - | - | - | - | 453,969 | 7,139,80 |
| Gas - CC | - | - | - | - | - | - | 52,492,799 | 600,385,23 |
| Gas - CT | \$2,084 | \$538,336 | \$24 | - | - | - | 2,519,343 | 66,998,63 |
| Biogas | - | - | - | - | - | - | 140,881 | 3,475,73 |
| Total | \$2,084 | \$538,336 | \$24 | - | - | - | \$76,802,958 | \$912,257,46 |
| Average Cost of Fuel Purchased (¢/MBTU) | | | | | | | | |
| Coal | - | - | - | - | - | - | 325.97 | 340.9 |
| Oil | - | - | - | - | - | - | 1,639.59 | 1,397.9 |
| Gas - CC | - | - | - | - | - | - | 422.75 | 419.5 |
| Gas - CT | 366.90 | 365.84 | - | - | - | - | 399.81 | 373.8 |
| Biogas | - | - | - | - | - | - | 2,639.70 | 2,864.5 |
| Weighted Average | 366.90 | 365.84 | - | - | - | - | 392.20 | 396.0 |
| Cost of Fuel Burned (\$) | | | | | | | | |
| Coal | - | - | - | - | - | - | \$14,249,659 | \$287,397,88 |
| Oil - CC | - | - | - | - | - | - | - | 4,14 |
| Oil - Steam/CT | - | \$335,720 | - | - | - | - | 765,769 | 18,267,69 |
| Gas - CC | - | - | - | - | - | - | 52,492,799 | 600,385,23 |
| Gas - CT | \$2,084 | 538,336 | \$24 | _ | _ | _ | 2,519,343 | 66,998,63 |
| Biogas | Ψ2,004 | - | Ψ2-4 | - | _ | - | 140,881 | 3,475,73 |
| Nuclear | - | - | - - | - \$7,812,456 | - \$4,364,704 | \$3,320,558 | 15,497,718 | 172,800,23 |
| Total | \$2,084 | \$874,056 | - \$24 | \$7,812,456 | \$4,364,704 | \$3,320,558 | \$85,666,169 | \$1,149,329,56 |
| Average Cost of Fuel Burned (¢/MBTU) | | | | | | | | |
| Coal | | | _ | _ | _ | _ | 234.52 | 326.0 |
| | - | - | - | - | - | - | | |
| Oil - CC | - | 4 740 04 | - | - | - | - | - | 1,570.0 |
| Oil - Steam/CT | - | 1,742.01 | - | - | - | - | 1,617.90 | 1,516.2 |
| Gas - CC | - | - | - | - | - | - | 422.75 | 419.5 |
| Gas - CT | 366.90 | 365.84 | - | - | - | - | 399.81 | 373.8 |
| Biogas | - | - | - | - | - | - | 2,639.70 | 2,864.5 |
| Nuclear | - | - | - | 54.89 | 60.30 | 57.90 | 56.96 | 56.7 |
| Weighted Average | 366.90 | 525.20 | - | 54.89 | 60.30 | 57.90 | 184.70 | 206.9 |
| Average Cost of Generation (¢/kWh) | | | | | | | | |
| Coal | - | - | - | - | - | - | 2.66 | 3.7 |
| Oil - CC | - | - | - | - | - | - | - | 15.6 |
| Oil - Steam/CT | - | 20.17 | - | - | - | - | 18.82 | 22.0 |
| Gas - CC | - | - | - | - | - | - | 3.26 | 3.0 |
| Gas - CT | - | 4.30 | - | - | - | - | 2.96 | 4.2 |
| Biogas | - | - | - | - | - | - | 19.70 | 20.8 |
| Nuclear | _ | - | _ | 0.58 | 0.62 | 0.60 | 0.60 | 0.5 |
| Weighted Average | - | 6.17 | - | 0.58 | 0.62 | 0.60 | 1.75 | 1.9 |
| Burned MBTU's | | | | | | | | |
| Coal | _ | - | - | - | - | - | 6,076,085 | 88,156,01 |
| Oil - CC | - | - | - | - | - | - | , , , <u>-</u> | 26 |
| Oil - Steam/CT | _ | 19,272 | _ | _ | _ | <u>-</u> | 47,331 | 1,204,83 |
| Gas - CC | - - | 19,272 | _ | _ | _ | - | 12,416,933 | 143,093,67 |
| Gas - CC Gas - CT | - 568 | | - | - | - | - | | 17,921,08 |
| | | 147,151 | - | - | - | - | 630,135 | |
| Biogas | - | - | - | - 14,233,254 | 7.000.000 | - | 5,337 | 121,33 |
| | - | | | 1/1 /2/2 /25/1 | 7,238,836 | 5,734,495 | 27,206,585 | 304,766,04 |
| Nuclear Total | | 166 423 | <u>-</u> | | | 5 734 495 | 46 382 406 | 555 763 74 |
| Total | 568 | 166,423 | - | 14,233,254 | 7,238,836 | 5,734,495 | 46,382,406 | 555,263,24 |
| Total Net Generation (mWh) | | | | | | 5,734,495 | | |
| Total Net Generation (mWh) Coal | | | | | | 5,734,495 - | 46,382,406 535,645 | 7,665,52 |
| Total Net Generation (mWh) Coal Oil - CC | 568 | 166,423 - - | | | | 5,734,495 - - | 535,645 - | 7,665,52 2 |
| Total Net Generation (mWh) Coal | 568 | | | | | 5,734,495 - - - | 535,645 - 4,068 | 7,665,52 2 |
| Total Net Generation (mWh) Coal Oil - CC | 568 - - | 166,423 - - | - - - | 14,233,254 - - | | 5,734,495 - - - - | 535,645 - | 7,665,52 2 82,75 |
| Total Net Generation (mWh) Coal Oil - CC Oil - Steam/CT | 568 - - | 166,423 - - | - - - | 14,233,254 - - | | 5,734,495 - - - - | 535,645 - 4,068 | 7,665,52 2 82,75 20,027,79 |
| Total Net Generation (mWh) Coal Oil - CC Oil - Steam/CT Gas - CC | 568 - - - - | 166,423 - - 1,665 - | - - - - | 14,233,254 - - | | - - - - | 535,645 - 4,068 1,610,998 | 7,665,52 2 82,75 20,027,79 1,578,23 |
| Total Net Generation (mWh) Coal Oil - CC Oil - Steam/CT Gas - CC Gas - CT | 568 - - - - | 166,423 - - 1,665 - 12,511 | - - - - | 14,233,254 - - - - - - | 7,238,836 - - - - - | - - - - | 535,645 - 4,068 1,610,998 85,162 715 | 7,665,52 2 82,75 20,027,75 1,578,23 16,67 |
| Total Net Generation (mWh) Coal Oil - CC Oil - Steam/CT Gas - CC Gas - CT Biogas Nuclear | 568 - - - - (105) - | 166,423 - - 1,665 - 12,511 - | - - - - (60) | 14,233,254 - - | | - - - - | 535,645 - 4,068 1,610,998 85,162 715 2,602,651 | 7,665,52 2 82,75 20,027,79 1,578,23 16,67 29,256,30 |
| Net Generation (mWh) Coal Oil - CC Oil - Steam/CT Gas - CC Gas - CT Biogas Nuclear Hydro (Total System) | 568 - - - - (105) - | 166,423 - - 1,665 - 12,511 - | - - - - (60) | 14,233,254 - - - - - - | 7,238,836 - - - - - | - - - - | 535,645 - 4,068 1,610,998 85,162 715 2,602,651 36,355 | 7,665,52 82,75 20,027,79 1,578,23 16,67 29,256,30 842,98 |
| Total Net Generation (mWh) Coal Oil - CC Oil - Steam/CT Gas - CC Gas - CT Biogas Nuclear | 568 - - - - (105) - | 166,423 - - 1,665 - 12,511 - | - - - - (60) | 14,233,254 - - - - - - | 7,238,836 - - - - - | - - - - | 535,645 - 4,068 1,610,998 85,162 715 2,602,651 | 7,665,52 82,75 20,027,75 1,578,23 16,67 29,256,36 842,96 251,93 |
| Net Generation (mWh) Coal Oil - CC Oil - Steam/CT Gas - CC Gas - CT Biogas Nuclear Hydro (Total System) Solar (Total System) | 568 - - - - (105) - | 166,423 - - 1,665 - 12,511 - | - - - - (60) - | 14,233,254 - - - - - 1,348,649 | 7,238,836 - - - - - - 702,654 | - - - - - 551,348 | 535,645 - 4,068 1,610,998 85,162 715 2,602,651 36,355 23,191 | 7,665,52 82,75 20,027,75 1,578,23 16,67 29,256,36 842,96 251,93 |
| Net Generation (mWh) Coal Oil - CC Oil - Steam/CT Gas - CC Gas - CT Biogas Nuclear Hydro (Total System) Solar (Total System) Total Cost of Reagents Consumed (\$) | 568 - - - - (105) - | 166,423 - - 1,665 - 12,511 - | - - - - (60) - | 14,233,254 - - - - - 1,348,649 | 7,238,836 - - - - - - 702,654 | - - - - - 551,348 | 535,645 - 4,068 1,610,998 85,162 715 2,602,651 36,355 23,191 4,898,785 | 7,665,52 82,75 20,027,75 1,578,23 16,67 29,256,30 842,98 251,93 59,722,24 |
| Net Generation (mWh) Coal Oil - CC Oil - Steam/CT Gas - CC Gas - CT Biogas Nuclear Hydro (Total System) Solar (Total System) Total Cost of Reagents Consumed (\$) Ammonia | 568 - - - - (105) - | 166,423 - 1,665 - 12,511 - - 14,176 | - - - - (60) - | 14,233,254 - - - - - 1,348,649 | 7,238,836 - - - - - - 702,654 | - - - - - 551,348 | 535,645 - 4,068 1,610,998 85,162 715 2,602,651 36,355 23,191 4,898,785 | 7,665,52 82,75 20,027,79 1,578,23 16,67 29,256,30 842,98 251,93 59,722,24 |
| Net Generation (mWh) Coal Oil - CC Oil - Steam/CT Gas - CC Gas - CT Biogas Nuclear Hydro (Total System) Solar (Total System) Total Cost of Reagents Consumed (\$) Ammonia Limestone | 568 - - - - (105) - | 166,423 - - 1,665 - 12,511 - | - - - - (60) - | 14,233,254 - - - - - 1,348,649 | 7,238,836 - - - - - - 702,654 | - - - - - 551,348 | 535,645 - 4,068 1,610,998 85,162 715 2,602,651 36,355 23,191 4,898,785 | 7,665,52 82,75 20,027,79 1,578,23 16,67 29,256,30 842,98 251,93 59,722,24 |
| Net Generation (mWh) Coal Oil - CC Oil - Steam/CT Gas - CC Gas - CT Biogas Nuclear Hydro (Total System) Solar (Total System) Total Cost of Reagents Consumed (\$) Ammonia Limestone Re-emission Chemical | 568 - - - - (105) - | 166,423 - 1,665 - 12,511 - - 14,176 | - - - - (60) - | 14,233,254 - - - - - 1,348,649 | 7,238,836 - - - - - - 702,654 | - - - - - 551,348 | 535,645 - 4,068 1,610,998 85,162 715 2,602,651 36,355 23,191 4,898,785 \$289,797 607,957 - | 7,665,52 82,75 20,027,79 1,578,23 16,67 29,256,30 842,98 251,93 59,722,24 \$2,591,25 9,922,61 69,14 |
| Net Generation (mWh) Coal Oil - CC Oil - Steam/CT Gas - CC Gas - CT Biogas Nuclear Hydro (Total System) Solar (Total System) Total Cost of Reagents Consumed (\$) Ammonia Limestone | 568 - - - - (105) - | 166,423 - 1,665 - 12,511 - - 14,176 | - - - - (60) - | 14,233,254 - - - - - 1,348,649 | 7,238,836 - - - - - - 702,654 | - - - - - 551,348 | 535,645 - 4,068 1,610,998 85,162 715 2,602,651 36,355 23,191 4,898,785 | 555,263,24 7,665,52 82,75 20,027,79 1,578,23 16,67 29,256,30 842,98 251,93 59,722,24 \$2,591,25 9,922,61 69,14 3,418,59 |

Duke Energy Progress Fuel & Fuel-related Consumption and Inventory Report SEPTEMBER 2021

Schedule 6 Page 1 of 2

| Description | Mayo | Roxboro | Asheville | Smith Energy Complex | Sutton | Lee | Blewett |
|-----------------------------------|---------|---------|-----------|-------------------------|-----------|-----------|---------|
| Coal Data: | | | | | | | |
| Beginning balance | 83,049 | 277,789 | - | - | - | - | - |
| Tons received during period | 35,699 | 220,197 | - | - | - | - | - |
| Inventory adjustments | 39,131 | 188,026 | - | - | - | - | - |
| Tons burned during period | 2,866 | 238,771 | - | - | - | - | - |
| Ending balance | 155,013 | 447,241 | - | - | - | - | - |
| MBTUs per ton burned | 25.65 | 25.14 | - | - | - | - | - |
| Cost of ending inventory (\$/ton) | 65.77 | 58.88 | - | - | - | - | - |
| Oil Data: | | | | | | | |
| Beginning balance | 247,701 | 361,572 | 3,123,041 | 6,657,712 | 2,450,460 | - | 693,454 |
| Gallons received during period | 44,562 | 156,076 | - | - | - | - | - |
| Miscellaneous use and adjustments | (141) | (7,431) | - | - | - | - | - |
| Gallons burned during period | 9,776 | 188,025 | - | - | 6,073 | - | - |
| Ending balance | 282,346 | 322,192 | 3,123,041 | 6,657,712 | 2,444,387 | - | 693,454 |
| Cost of ending inventory (\$/gal) | 2.05 | 2.09 | 2.15 | 2.33 | 2.80 | - | 2.37 |
| Natural Gas Data: | | | | | | | |
| Beginning balance | - | - | - | - | - | - | - |
| MCF received during period | - | - | 2,244,757 | 3,831,350 | 2,693,215 | 3,700,647 | - |
| MCF burned during period | - | - | 2,244,757 | 3,831,350 | 2,693,215 | 3,700,647 | - |
| Ending balance | - | - | - | - | - | - | - |
| Biogas Data: | | | | | | | |
| Beginning balance | - | - | - | - | - | - | - |
| MCF received during period | - | - | - | 5,160 | - | - | - |
| MCF burned during period | - | - | - | 5,160 | - | - | - |
| Ending balance | - | - | - | - | - | - | - |
| Limestone/Lime Data: | | | | | | | |
| Beginning balance | 11,676 | 26,170 | - | - | - | - | - |
| Tons received during period | 417 | 15,289 | - | - | - | - | - |
| Inventory adjustments | (1,117) | - | - | - | - | - | - |
| Tons consumed during period | 169 | 11,401 | - | - | - | - | - |
| Ending balance | 10,807 | 30,058 | - | - | - | - | - |
| Cost of ending inventory (\$/ton) | 73.35 | 50.99 | - | - | - | - | - |

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Gas is burned as received; therefore, inventory balances are not maintained.

The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Duke Energy Progress Fuel & Fuel-related Consumption and Inventory Report SEPTEMBER 2021

Schedule 6 Page 2 of 2

| Description | Darlington | Wayne County | Weatherspoon | Brunswick | Harris | Robinson | Current Month | Total 12 ME September 2021 |
|-----------------------------------|------------|--------------|--------------|-----------|---------|----------|---------------|-------------------------------|
| Coal Data: | | | | | | | | |
| Beginning balance | - | - | - | - | - | - | 360,838 | 1,035,893 |
| Tons received during period | - | - | - | - | - | - | 255,896 | 2,728,835 |
| Inventory adjustments | - | - | - | - | - | - | 227,157 | 359,750 |
| Tons burned during period | - | - | - | - | - | - | 241,637 | 3,522,224 |
| Ending balance | - | - | - | - | - | - | 602,254 | 602,254 |
| MBTUs per ton burned | - | - | - | - | - | - | 25.15 | 25.03 |
| Cost of ending inventory (\$/ton) | - | - | - | - | - | - | 60.65 | 60.65 |
| Oil Data: | | | | | | | | |
| Beginning balance | 9,786,516 | 9,517,510 | 396,417 | 117,269 | 250,015 | 14,794 | 33,616,461 | 38,677,040 |
| Gallons received during period | - | - | - | - | - | - | 200,638 | 3,701,076 |
| Miscellaneous use and adjustments | - | - | - | - | - | - | (7,572) | (137,586) |
| Gallons burned during period | - | 139,845 | - | - | - | - | 343,719 | 8,774,722 |
| Ending balance | 9,786,516 | 9,377,665 | 396,417 | 117,269 | 250,015 | 14,794 | 33,465,808 | 33,465,808 |
| Cost of ending inventory (\$/gal) | 2.39 | 2.40 | 2.32 | 2.31 | 2.31 | 2.31 | 2.38 | 2.38 |
| Natural Gas Data: | | | | | | | | |
| Beginning balance | - | - | - | - | - | - | - | - |
| MCF received during period | 549 | 142,219 | - | - | - | - | 12,612,737 | 155,643,818 |
| MCF burned during period | 549 | 142,219 | - | - | - | - | 12,612,737 | 155,643,818 |
| Ending balance | - | - | - | - | - | - | - | - |
| Biogas Data: | | | | | | | | |
| Beginning balance | - | - | - | - | - | - | - | - |
| MCF received during period | - | - | - | - | - | - | 5,160 | 117,322 |
| MCF burned during period | - | - | - | - | - | - | 5,160 | 117,322 |
| Ending balance | - | - | - | - | - | - | - | - |
| Limestone/Lime Data: | | | | | | | | |
| Beginning balance | - | - | - | - | - | - | 37,846 | 75,518 |
| Tons received during period | - | - | - | - | - | - | 15,706 | 135,327 |
| Inventory adjustments | - | - | - | - | - | - | (1,117) | 12,092 |
| Tons consumed during period | - | - | - | - | - | - | 11,570 | 182,072 |
| Ending balance | - | - | - | - | - | - | 40,865 | 40,865 |
| Cost of ending inventory (\$/ton) | - | - | - | - | - | - | 56.90 | 56.90 |

DUKE ENERGY PROGRESS ANALYSIS OF COAL PURCHASED SEPTEMBER 2021

| STATION | ТҮРЕ | QUANTITY OF TONS DELIVERED | | | IVERED PER TON | |
|------------|--|-------------------------------|----|------------------------------------|-------------------|----------------|
| MAYO | SPOT CONTRACT FIXED TRANSPORTATION/ADJUSTMENTS | 11,369 24,330 - | \$ | 865,310 1,974,397 153,405 | \$ | 76.11 81.15 |
| | TOTAL | 35,699 | \$ | 2,993,112 | | 83.84 |
| ROXBORO | SPOT CONTRACT FIXED TRANSPORTATION/ADJUSTMENTS | 110,605 109,592 | \$ | 8,678,235 8,891,485 633,134 | \$ | 78.46 81.13 |
| | TOTAL | 220,197 | \$ | 18,202,854 | \$ | 82.67 |
| ALL PLANTS | SPOT CONTRACT FIXED TRANSPORTATION/ADJUSTMENTS | 121,974 133,922 - | \$ | 9,543,545 10,865,882 786,539 | \$ | 78.24 81.14 |
| | TOTAL | 255,896 | \$ | 21,195,966 | \$ | 82.83 |

DUKE ENERGY PROGRESS ANALYSIS OF COAL QUALITY RECEIVED SEPTEMBER 2021

| STATION | PERCENT MOISTURE | PERCENT ASH | HEAT VALUE | PERCENT SULFUR |
|---------|---------------------|----------------|---------------|-------------------|
| MAYO | 6.12 | 9.02 | 12,732 | 1.86 |
| ROXBORO | 6.36 | 9.40 | 12,701 | 1.92 |

DUKE ENERGY PROGRESS ANALYSIS OF OIL PURCHASED SEPTEMBER 2021

| | MAYO | | ROXBORO |
|-----------------------|---------------|----|----------|
| | _ | | |
| VENDOR | Indigo | | Indigo |
| SPOT/CONTRACT | Contract | | Contract |
| SULFUR CONTENT % | 0 | | 0 |
| GALLONS RECEIVED | 44,562 | | 156,076 |
| TOTAL DELIVERED COST | \$ 101,582 | \$ | 352,387 |
| DELIVERED COST/GALLON | \$ 2.28 | \$ | 2.26 |
| BTU/GALLON | 138,000 | | 138,000 |

Duke Energy Progress Power Plant Performance Data Twelve Month Summary Report Period: October 2020 - September 2021

| | Net Generation | Capacity Rating | | Equivalent |
|-------------|-----------------------|------------------------|---------------------|------------------|
| Unit | (MWH) | (MW) | Capacity Factor (%) | Availability (%) |
| Brunswick 1 | 8,045,346 | 938 | 97.91 | 96.05 |
| Brunswick 2 | 7,399,540 | 932 | 90.63 | 90.21 |
| Harris 1 | 7,812,201 | 964 | 92.51 | 90.91 |
| Robinson 2 | 5,999,213 | 759 | 90.23 | 88.72 |

EAF is calculated using Standard NERC calculation and excludes OMC events

Twelve Month Summary October, 2020 through September, 2021 Combined Cycle Units

| Unit Name | | Net Generation (mWh) | Capacity Rating (mW) | Capacity Factor (%) | Equivalent Availability (%) |
|-----------------------|-------------|-------------------------|-------------------------|------------------------|--------------------------------|
| Lee Energy Complex | 1A | 967,053 | 225 | 49.06 | 60.90 |
| Lee Energy Complex | 1B | 881,915 | 227 | 44.35 | 55.39 |
| Lee Energy Complex | 1C | 1,074,885 | 228 | 53.82 | 67.04 |
| Lee Energy Complex | ST1 | 1,952,934 | 379 | 58.82 | 78.15 |
| Lee Energy Complex | Block Total | 4,876,787 | 1,059 | 52.57 | 67.22 |
| Smith Energy Complex | 7 | 1,023,131 | 193 | 60.44 | 73.39 |
| Smith Energy Complex | 8 | 975,139 | 193 | 57.60 | 71.80 |
| Smith Energy Complex | ST4 | 1,159,484 | 184 | 72.13 | 78.96 |
| Smith Energy Complex | 9 | 1,270,387 | 215 | 67.37 | 82.46 |
| Smith Energy Complex | 10 | 1,300,365 | 215 | 68.96 | 83.84 |
| Smith Energy Complex | ST5 | 1,651,900 | 251 | 75.13 | 92.70 |
| Smith Energy Complex | Block Total | 7,380,406 | 1,252 | 67.32 | 81.20 |
| Sutton Energy Complex | 1A | 1,308,430 | 224 | 66.68 | 81.17 |
| Sutton Energy Complex | 1B | 1,309,165 | 224 | 66.72 | 81.29 |
| Sutton Energy Complex | ST1 | 1,597,957 | 271 | 67.31 | 91.92 |
| Sutton Energy Complex | Block Total | 4,215,552 | 719 | 66.93 | 85.26 |
| Asheville CC | ACC CT5 | 1,168,591 | 191 | 70.03 | 83.53 |
| Asheville CC | ACC CT7 | 1,211,857 | 191 | 72.62 | 78.56 |
| Asheville CC | ACC ST6 | 579,749 | 90 | 73.53 | 75.69 |
| Asheville CC | ACC ST8 | 611,557 | 90 | 77.57 | 83.89 |
| Asheville CC | Block Total | 3,571,754 | 561 | 72.68 | 80.66 |

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- Data is reflected at 100% ownership.

Duke Energy Progress Power Plant Performance Data Twelve Month Summary

October, 2020 through September, 2021

Intermediate Steam Units

| Unit Name | Net Generation (mWh) | Capacity Rating (mW) | Capacity Factor (%) | Equivalent Availability (%) |
|-----------|----------------------------|-------------------------|------------------------|--------------------------------|
| Mayo 1 | 1,302,194 | 721 | 20.61 | 38.30 |
| Roxboro 2 | 1,754,201 | 673 | 29.76 | 77.32 |
| Roxboro 3 | 2,410,426 | 698 | 39.42 | 71.52 |
| Roxboro 4 | 1,540,920 | 711 | 24.74 | 59.13 |

Notes:

 Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Twelve Month Summary October, 2020 through September, 2021 Other Cycling Steam Units

| Unit Name | Net Generation | Capacity | Capacity | Operating |
|-----------|----------------|-------------|------------|------------------|
| | (mWh) | Rating (mW) | Factor (%) | Availability (%) |
| Roxboro 1 | 677 677 | 380 | 20.36 | 90.33 |

Notes:

Units in commercial operation for the full month are presented. Pre-commercial
or partial month commercial operations are not included.

Twelve Month Summary October, 2020 through September, 2021 Combustion Turbine Stations

| Station Name | Net Generation (mWh) | Capacity Rating (mW) | Operating Availability (%) |
|-------------------------|-------------------------|-------------------------|-------------------------------|
| Asheville CT | 115,063 | 364 | 92.95 |
| Blewett CT | 43 | 68 | 80.07 |
| Darlington CT | 4,100 | 265 | 94.18 |
| Smith Energy Complex CT | 1,163,076 | 954 | 85.51 |
| Sutton Fast Start CT | 32,783 | 98 | 89.01 |
| Wayne County | 325,117 | 959 | 94.87 |
| Weatherspoon CT | 922 | 164 | 97.65 |

Notes:

 Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Twelve Month Summary

October, 2020 through September, 2021

Hydroelectric Stations

| | Net Generation | Capacity | Operating |
|--------------|----------------|-------------|------------------|
| Station Name | (mWh) | Rating (mW) | Availability (%) |
| Blewett | 118,298 | 27.0 | 80.91 |
| Marshall | 708 | 4.0 | 72.77 |
| Tillery | 263,979 | 84.8 | 90.39 |
| Walters | 460,001 | 113.0 | 61.75 |

Notes: